MISSOURI BO

PETER H

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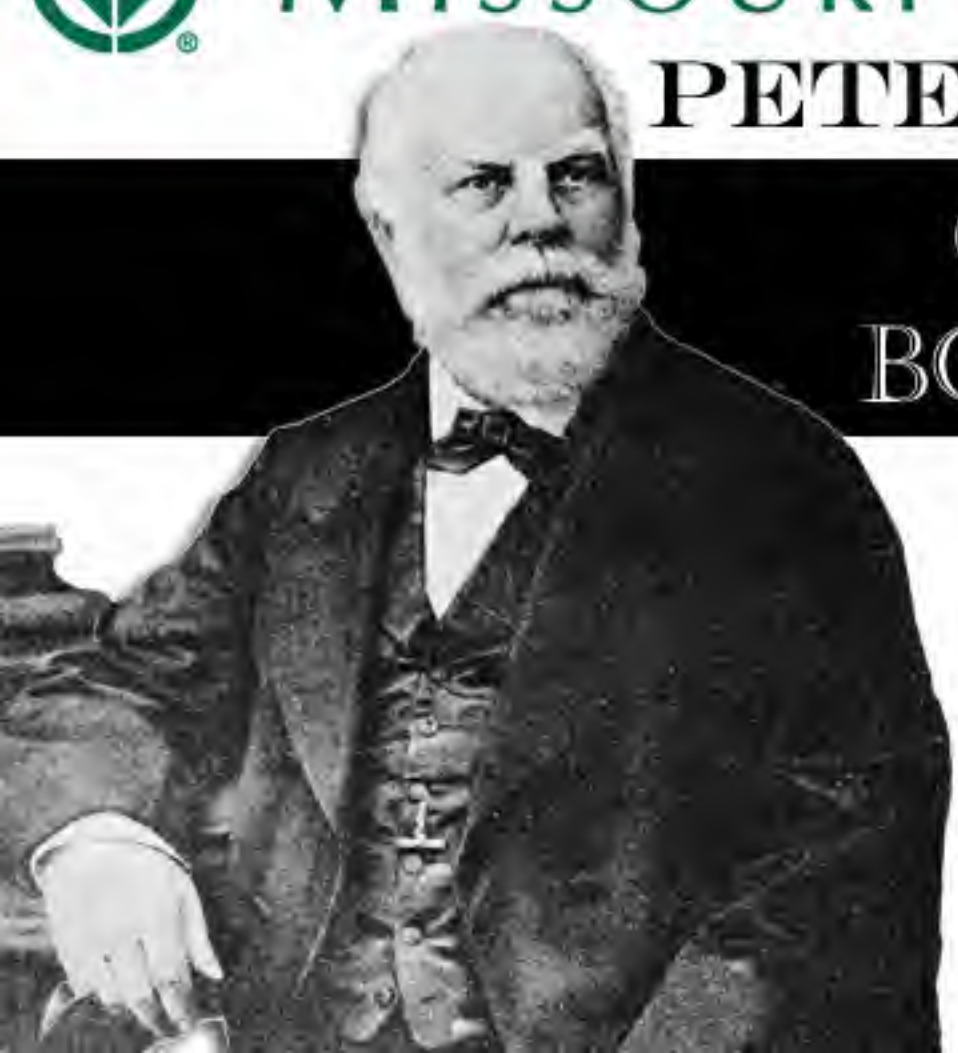

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Rec'd Jan 31st 1847
Ans Febr 17

Crucita reflexa. Hook. Ext. Fl. t. 150.

Brit. Fl. gard. t. 6.

Mspec. in Herb Graham

, t. 150. —

Crucita reflexa. var. verrucosa.

C. reflexa digyna. stig. subcapitat. divaricat. sub=
ulatis: cor camp. s=dent. laciniis
reflexis. Squamis fimbriatis.

β. verrucosa. pet. calyce, que verrucosi.

— A fine figure drawn by Gaudichaud
The 4 seeded capsules are distinctly
represented as opening by valves
from very close to the base
Fully formed capsules, the
size of large peas. A spherical mark
Opening all around transversely near the base.

Cambridge Jan 16 184[illegible]

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19)

Hook. Flor. Exot. II. tab. 150 (1825) C. reflexa

Digna, stigmatibus subsemilibus divergentibus, subulatis; cor. campanulata 5 dentata, laciniis reflex. - sq. fimbriat.

β. venusta pedunculis calycibusque venustis

C. venusta Sweet's Brit Gard. Flor. t. 6.

Clusters of compact pandles large pure white waxy fragrant flowers (small of Primrose)
only & fleshy, white or pale rose, warts deep purple
Corolla deep lobes. - Subulate white stigmata
Pipe capsul ophenoid like Large peas 4 seeded or less.
Bot. Gard of Calcutta, Nov 1824 from seeds from
the low Grounds of Madras at the Coromandel Coast

Acc Dom. Hutton at the Richlands [illegible] vol H Cornbellows

5110

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20/ Vahl Symb. II. p. 32 (1791)

Cuscuta monogyna : Cacc. floribus pedunculatis
monogynis.
Cuscuta orientalis vitellis crassis cruciatis convolvuli
punctis Tourn. Cor. pag 45.
Hab = Oriente
Caccis laxiuscule ovatae nitidae
Corolla calyce duplo longiore supra angustata,
persistens dentibus acquilatis Caccinolatis
Stylus longitudine Corollae crassior et brevior quam
= ovalegeris persistens ; stigma crassum subglobosum
Pentaspicum magnitudine pisperis mucronatum
e stylo et stigmate persistente.
Semina quatuor compressa subreniformia

Dr A. Th v. Middendorffs Reise (afd 1843 & 44)
= Osten Sibiriens band 1. Yfd 2 botanik
Petersburg 1856
hier Cuscuta ad Cerphonka

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Missouri Botanical Garden
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Annals & Magazine of Nat Hist. by Jardine etc. 1

Vol XIII. 1844 Ch. C. Babington on Cornish 1

p. 249 the figures published by me in Transact. Linn Soc. XVIII p. 213. & 563 are not accurate enough — therefore the new ones here published.

Henry that the 2 halves of each scale belong to different stipes and represent an alternate, internal stamen & ovary, & alternate. — [Brown makes them stipular! —

p. 252 C. Gibsiana Mart. : flor glomeruli bracteati sessiles, tubo cor. cyl. intus squamis ovatis fimbriatis subaristatis apicibus divaricatis basi distantibus — calyce tubo cor. multo breviore, germine sphaerico, stigm. filiform.

Cornu Copiae Linn, Ulex etc

C. bifolia Bab in Phytol 1. p. 467 (Feb 1843) fl. glom. bract. sess. tub cor. cyl. sq. fimbriatis apice rotundatis, laciniis parallelis basi distantibus, cal tubo cor. brevi germine obovato stig filif.

p. 253. C. approximata fl. glom. bracteati sessilibus tubo cor ventricoso vix calyce longiore squamis approximatis bifidis, lobis divergentibus latis apice fimbriatis truncatis, germ. ovali; stig. filif

sepals shorter but quite about as long as tube of
Corolla; segments of Corolla spreading (3) blunt
scales — lobes closely approximating to those of the adjoining
ovule from which separated only by a narrow space
— acute angle. Rather a Corona of 10 lobes.
Ovary & dry — soaked, not fresh.

Found upon Melilotus alba which had been raised
from seed distributed by Col Sykes under the name of
Dokkan Clover.

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p. 254 C. campaca ♀ glomeruli bract. setif. tube or per
anthesi cylindr. part. ventr. raro sp. adpress
caud. bifid basi distanti bus lobi divergentibus
attenuatis; cal corolla multo brevior; stig. 4 lin.

Linn. Trans. (July 1845.) Vol 16 pg. 1. with plate

Recent species of C. approx ex ind.

p. 1. C. Lyalli — — cal campanulato tube or brevior
sp. apice rotundatis basi approximatis
— — Scales sometimes form a complete crown, more
united than usually!

p. 2. C. bifolia — — cal infundibul. tube or sub-
aequante; segmentis interstitiis coronae setaceis
lobis duplo tubo infundibuliformi ovoidae subaequantibus
— — basi distantibus.

22/ Suppl. to the Engl. bot. IV. N. 2898 — 1849

C. Trifolii — The figure same as in Annals of Magazin — a more complete representation of C. Trifolii, — (good figure) — flowers larger, scales distant at base — C. Epith. Epith fl smaller, scales approximate at base — authors mark C. Epith. β. Trifolii — Anthers not apiculate, not notched at the end.

In Dub. Mag. Bot. 303 it is named

XVI. p. 1. C. approximata Col. rimulato ramoso glaucescente; cellulis parallelo seriatis. Sporis ovatis apiculatis rel rhomboideis, ovatis, cellulis approximatis tectis cristatis parallelo seriatis bifidis, regularis divergentibus apice fimbriatis basi approximatis. —

Colonial Segments of the Circle of Cells spreading German roundish — Scales very variable but always distant by the above characters.

C. pilif: Antheræ longe apiculatæ. ovula
C. Curtis. — mult, rotundæ, ab ovul, non
apiculatæ, rotundæ. —

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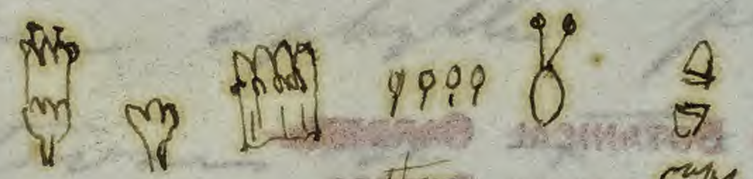
pl. CV.

fig b



Cucurb. corymbosa A. Rich.

fig a

Cucurb. odorata A. & R.

corymbosa.

Flavida tubulata infra divisuras
insertas ciliae brevia. Antherae
stylis staminibus brevibus.
Sem. lævia.
Perpetua annua

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23/ Ruiz & Pavon. Fl. pg. 69 2, C. corymbosa

2° floribus pedunculatis corymbosis, corollis ovatis quadrifidis tetrandris nectario nullo — Peru

planta — — hyalina tenerrima super frutices et mediraginem sativam diffusa — — Pedicelli bracteis ovatis concavis fulcrati

Calicis val. oblongae obtusae.

corolla calyce duplo longior ore parvo 4 fido

antherae ovatae — Jun 1 — 2 floret per totum annum.

1, C. odorata. plantae congestis semilibus corollis campanulatis patentibus 5 caudis, nectarii squamis fimbriatis.

panicula apicalis perfruticosa et mediraginem sativam se extendens.

flores ÷ capitula congesti semiles fragrantes squamis ovatis concavis

Calyx albus punctis purpureis maculatus cyathiformis laciniis subrotundis obtusis

corolla semi quinquefida calyce duplo longior, laciniis ovatis acutis patentiflexis.

Filamenta tubulata ima divisuras corollae inserta aequae brevia. Antherae ovatae

Stylus staminibus brevior.

Jun. Julia —.

Vere per tot annum

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Bertoloni Flora Italica III. 1837. p. 67

C. europaea —— cristulis hypostamineis nullis
capsulisque etc —— cal segm acut ovat
coroll 5-fid laciis ovat acut patul. Stg C
stamen aequans. Hyan nulla
pastu pratorum, Trifol, Medtag.

p. 69 C. Epithym —. — coroll acut —— Hyan cristata, —
Ital — alp — Pedem — Corsic — Sicil —
fl. aestiles 4-5 fid laciis acut v. acuminat
stylis longiusculis

p. 70 C. alba fl. sessil cal coroll. oblong. aequan.
cristata, antheris subrotundis stigm. capitat. —
Sicilia, Jussieu

p. 71 C. planiflora. fl. sessil corolla tubo cylindrato
limbo 5 fido in antheras patentissimas, aequan.
2 fidis stigm divaricatis.
rad. montis Veleni in Praetutiis (Tenore)
Aprica de Faito, Sicilia (Jussieu)
laciis cor. ovatis apice angustatis tamen obtusis
aequ. calycina et bracteae ejusdem formae
stylis exsertis. Antheras

Remarks: — is his European not
an Epithym, — & Epithym the mere Sicilian;
planiflora seems an Alp fl the approximate?

Brot. (Lusitan Phytographia) II. tab 165 1827
Cuscuta Europaea Barbuvca
details it ought be Epithym (according to the
description nothe C. European which I do not
know from Spain or Portugal

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Richard, Tentam. flor. Abyssin vol II (1847 1st Ed.)

II 1. 78. C. Abyssinica Rich. Caule gracili ramoso, capitulis globosis sessilibus multiflorís floribus sessilibus confertis, calyce campanulato 5-partito, laciniis ovali-oblongis acutis, corolla campanulato-tubuloso calyce longiora alba 5-fida laciniis angustis acutiusculis stam. subexertis, filamentis capillaribus subglobosa-dilatatis antheris subglobosis. stigmatibus subulatis obtusis incurvis.

In Lantaes? in montibus dis. convallis flum Tarassé, Augusto Quartin-Dillon.

[Calyx divided almost to the base, tubes perforated This is evidently macrostyla of One]

II. 78. C. Arabica in fruticetis fam. Leguminos. in Bovinarii Occidgerate (Aut. Petit) stigm. plisp. Corpe exsert. — flamentis complanatis.

II. 79. C. Brevistyla A. Rich. rami C. majoris, sed calyx & calyx very sharp, stamina short tubo florali inserta (!) acute; antheris globosis, stylis subulatis incurvis. obtusis. —

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25. 6. Fint. flor. Abyss II. 78

Cuscuta Abyssinica A Rich. Caule gracili, capitul sessil. multiflor - globos -, fl. sessil. rotat - cal campanul 5 - partit lacinii ovali - oblongis acutis, corolla campanulata vix calyce longiore alle 5 - fida lacinis angustis acutiusculis, stam. subexsertis filam. capillar, antha subglobosa didyma, ovario stigm. subulatis obtusis inclusis. — In Lautan! Tacazze flum. Abyssin.

C. brevistyla A Br. mss - A Rich. Caule filif. fl. alb. sessilibus capitat. capitulis numerosis approximatis multifloris, calyce campanulato 5 - partito corolla calyce longiore arcolato tubo globoso 5 fido lacinis acutis, stam. inclusis antheris globosis sagittatis filamentis subulatis stylis subulatis obtusis inclusis. —

— Montosis Abyssyniae, prope Ayxum.

C. subuniflora C. Koch Linnaea XXII. p. 748. Caulis tenuissimis flores 1-3 sessiles bracteat ovato - lanceolat subaequantes fulti, cal 5 - lob. lobis oblong obtus molle pene duplo brevioribus lacinias corollae globosae oblongae obtuse acutae, demique connivent. stylus apice parallelum incrassatus — In Abyssinia Ad. meyer. —

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26)

Griffith Notulae ad plantas Asiaticas Calcutta. 1847. vol I

pg. 241 One of the Affghan species of Cuscuta, is of great ~~size~~ indeed almost gigantic size, as it frequently reaches to the tops of small trees — and from its proportions may be supposed capable of indefinite division.

= C. castyta ??

p. 243. Cuscuta gigantea ; inflorescentia composita paniculata apice versus simplicior spicata, saepius flosculis flore centrali vel terminali primo evoluto. Flos diphanus, sepalis tubum ½ aequantibus. Corolla tubus cylindraceus lamina 5 partita laciniis patentibus [acutis] (the venation is as in the other species viz: confined to the stamens, for in this above the insertion of the filament the corolla is evasculare; so are the scales) staminea fauce paulo infra inserta, squamis subexertis, filamentis brevibus carnosis, corollae rubro-sanguineis aequantibus tubo basi et sensim adnatae apicibus incurvis, ovario stigmate simplici. Styles unus brevis longitudine stigmata 2 longiformia subulata purpureo-sanguinea aequans

Stigma no furrow down the inner face or any deficiency of stigmatic tissue on the outer — both curious anomalies.

Generally on Salix, also on Populus, once on Elaeagnus.

Stem like a middle sized string, greenish, and when older reddish.

Thanks Mark of Griffith's Notulae ad Asiat. Plantas. Calcutta 1847. vol I pg. 241 One of the Affghan species of Cuscuta, is of great indeed almost gigantic size, as it frequently reaches to the tops of small trees — and from its proportions may be supposed capable of indefinite division. = C. castyta ?? p. 243. Cuscuta gigantea inflorescentia composita paniculata apice versus simplicior spicata saepius flosculis flore centrali vel terminali primo evoluto. Flos diphanus, sepalis tubum ½ aequantibus. Corolla tubus cylindraceus lamina 5 partita laciniis patentibus [acutis] (the venation is as in the other species viz: confined to the stamens, for in this above the insertion of the filament the corolla is evasculare; so are the scales) staminea fauce paulo infra inserta, squamis subexertis, filamentis brevibus carnosis, corollae rubro-sanguineis aequantibus tubo basi et sensim adnatae apicibus incurvis, ovario stigmate simplici. Styles unus brevis longitudine stigmata 2 longiformia subulata purpureo-sanguinea aequans Stigma no furrow down the inner face or any deficiency of stigmatic tissue on the outer — both curious anomalies. Generally on Salix, also on Populus, once on Elaeagnus. Stem like a middle sized string, greenish, and when older reddish.

Chem. Notes II. 275)

Over.

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Kew Aug 1857

I have adopted this name for the plant found by Griffith on Penang & sent under No 683 — He sends on sales nothing but C. Munozjae. — But the stigmata tubulata are not found in 683 — they seem to indicate C. macrantha! This one however has not been sent by Griffith: nor are in that the stigmata as long as style (but much longer) nor the ovary + half as long as tube (but much shorter!).

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